

CLAIMS

1. A wireless device operable to obtain wireless data services, comprising:
a controller operative to
 receive a query for data services configured for the wireless device,
 provide access strings provisioned on the wireless device for the configured data services, each access string being defined for a particular data service,
 receive a user selection for an access string for a desired data service,
 select a profile from along at least one profile associated with the selected access string, each of the at least one profile including information for establishing a particular data call for the desired data service identified by the selected access string, and
 establish a data call using the selected profile; and
a memory unit operative to store the provisioned access strings and profiles associated with the provisioned access strings.
2. The wireless device of claim 1, wherein each of the provisioned access strings is associated with at least one profile.
3. The wireless device of claim 1, wherein each of the at least one profile is for a system of a specific wireless network technology and a specific service provider.
4. The wireless device of claim 1, wherein each profile includes one or more parameters usable to establish a data call.
5. The wireless device of claim 4, wherein the one or more parameters are for quality of service (QoS), security information, authentication information, domain name system (DNS) information, compression information, protocol information, call control information, or a combination thereof.
6. The wireless device of claim 1, wherein each of the at least one profile is further associated with an activation string containing information to connect a data call.

7. The wireless device of claim 6, wherein the activation string associated with the selected profile is an access point name (APN) identifying a point of attachment for a wireless communication network.

8. The wireless device of claim 6, wherein the activation string associated with the selected profile corresponds to a set of one or more parameters used by the wireless device to make a call in a Code Division Multiple Access (CDMA) system.

9. The wireless device of claim 8, wherein the set of one or more parameters for the activation string includes a parameter indicating a circuit-switched or packet-switched call.

10. The wireless device of claim 1, wherein at least one of the provisioned access strings is identified by an access point name (APN).

11. The wireless device of claim 1, wherein the controller is operative to select the profile for a system most suited for the desired data service from among the at least one profile associated with the selected access string.

12. The wireless device of claim 11, wherein the controller is operative to determine the most suitable system based on a list of preferred service providers.

13. The wireless device of claim 11, wherein the controller is operative to determine the most suitable system based on a list of preferred wireless network technologies supported by the wireless device.

14. The wireless device of claim 11, wherein the controller is operative to determine the most suitable system based on cost and performance criteria.

15. The wireless device of claim 1, wherein the controller is further operative to identify preferred access strings among the provisioned access strings, each preferred access string meeting one or more predetermined criteria.

16. The wireless device of claim 15, wherein the preferred access strings are for data services currently accessible by the wireless device.

17. The wireless device of claim 15, wherein the preferred access strings are for service providers identified as being preferred.

18. The wireless device of claim 15, wherein the preferred access strings are for wireless network technologies identified as being preferred.

19. The wireless device of claim 15, wherein the controller is operative to provide the preferred access strings in a user recognizable format.

20. The wireless device of claim 15, wherein the controller is operative to provide only the preferred access strings.

21. The wireless device of claim 1, further comprising:
a modem processor operative to perform processing for the established data call.

22. The wireless device of claim 21, wherein the modem processor is operative to perform processing for a plurality of wireless network technologies.

23. The wireless device of claim 22, wherein the plurality of wireless network technologies include Wideband Code Division Multiple Access (W-CDMA) and IS-2000.

24. The wireless device of claim 22, wherein the plurality of wireless network technologies include Wideband Code Division Multiple Access (W-CDMA), GSM/GPRS, GSM/EDGE, or a combination thereof.

25. The wireless device of claim 22, wherein the plurality of wireless network technologies include IS-2000, IS-856, IS-95, or a combination thereof.

26. The wireless device of claim 22, wherein the plurality of wireless network technologies include a wireless local area network (WLAN) technology.

27. A method of obtaining wireless data services via a wireless device, comprising:

- receiving a query for data services configured for the wireless device;
- providing access strings provisioned on the wireless device for the configured data services, each access string being defined for a particular data service;
- receiving a user selection for an access string for a desired data service;
- selecting a profile from along at least one profile associated with the selected access string, each of the at least one profile including information for establishing a particular data call for the desired data service identified by the selected access string;
- and
- establishing a data call using the selected profile.

28. A wireless apparatus operable to obtain wireless data services, comprising:

- means for receiving a query for data services configured for the wireless apparatus;
- means for providing access strings provisioned on the wireless apparatus for the configured data services, each access string being defined for a particular data service;
- means for receiving a user selection for an access string for a desired data service;
- means for selecting a profile from along at least one profile associated with the selected access string, each of the at least one profile including information for establishing a particular data call for the desired data service identified by the selected access string; and
- means for establishing a data call using the selected profile.

29. A processor readable media for storing instructions operable to:

- receive a query for data services configured for the wireless device;
- forward the query to the wireless device;
- receive, from the wireless device, access strings for the configured data services, each access string being defined for a particular data service;
- provide the access strings for display;
- receive a user selection for an access string for a desired data service; and

forward the selected access string to the wireless device, and
wherein at least one profile is associated with the selected access string, each of the at least one profile including information for establishing a particular data call for the desired data service identified by the selected access string, and wherein one profile is selected from among the at least one profile and used to establish a data call for the desired data service.

30. The processor readable media of claim 29, wherein the wireless device is operable to establish data calls with wireless communication networks of a plurality of wireless network technologies.